

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1 : DEGREASING &amp; CLEANING LINE OPERATION</b>					
<b>System 3 : SALT DISSOLVING LINE - 1</b>					
PROCESS TANK, NO. 2, ELECTRICALLY HEATED, NITRIC ACID, WIDTH: 4 FT 3 IN; HEIGHT: 5 FT 8 IN; LENGTH: 3 FT 2 IN A/N: 486027 Permit to Construct Issued: 11/25/08	D214				A433.2, C6.7
<b>System 4 : SALT DISSOLVING LINE - 2</b>					
PROCESS TANK, UNHEATED, 13 SQ. FEET MAXIMUM SURFACE AREA, NOT SPARGED, NITRIC ACID A/N:	D215	C155			B59.5, B59.7
PROCESS TANK, UNHEATED, 13 SQ. FEET MAXIMUM SURFACE AREA, NOT SPARGED, PHOSPHORIC ACID A/N:	D216				B59.6, B59.8
<b>Process 7 : PROCESS TANKS &amp; CONTROL EQUIPMENT</b>					
<b>System 3 : WATER SPRAY CHAMBER</b>					
SCRUBBER, PACKED BED, AIRCHEM INC., MODEL NO. FH-66, 325 GALLON RECIRCULATION TANK, 40 H.P. EXHAUST BLOWER AND 7.5 H.P. RECIRCULATION PUMP, WIDTH: 6 FT; HEIGHT: 6 FT; LENGTH: 10 FT A/N:	C155	D162 D163 D164 D166 D167 D168 D215			C8.3, C8.4, C8.5, K67.7

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5)(5A)(5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2)(2A)(2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
(10) See Section J for NESHAP/MACT requirements  
\*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

# FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 14 : EXTERNAL COMBUSTION EQUIPMENT</b>					
BOILER, NATURAL GAS, CLAYTON INDUSTRIES, MODEL SF-125-FMB, WITH LOW NOX BURNER, 5.2 MMBTU/HR WITH A/N:	D217		NOX: PROCESS UNIT**	<p><b>CO:</b> 2000 PPMV NATURAL GAS (5A) [RULE 407,4-2-1982] ;  <b>CO:</b> 50 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002]</p> <p><b>CO:</b> 400 PPMV NATURAL GAS (5) [RULE 1146,11-17-2000;RULE 1146,9-5-2008] ;  <b>NOX:</b> 47.75 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005]</p> <p><b>NOX:</b> 9 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002] ; <b>PM:</b> 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981]</p>	C1.36, D12.8, D29.1, D332.1
BURNER, NATURAL GAS, CLAYTON INDUSTRIES, MODEL UH-32291, WITH LOW NOX BURNER, 5.2 MMBTU/HR					

\* (1)(1A)(1B) Denotes RECLAIM emission factor

(3) Denotes RECLAIM concentration limit

(5)(5A)(5B) Denotes command and control emission limit

(7) Denotes NSR applicability limit

(9) See App B for Emission Limits

(2)(2A)(2B) Denotes RECLAIM emission rate

(4) Denotes BACT emission limit

(6) Denotes air toxic control rule limit

(8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)

(10) See Section J for NESHAP/MACT requirements

\*\*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 16 : TEST CELL</b>					
TEST CELL, TURBINE, NO. 3 A/N: 476237 Permit to Construct Issued: 11/25/08	D124	C132	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 413 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; NOX: 67.8 LBS/1000 GAL FUEL OIL (1A) [RULE 2012,5-6-2005]  PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] ; SOX: 500 PPMV (5) [RULE 407,4-2-1982]	C1.8, C1.9, C1.10, C1.11, C1.13, C1.15, C1.30, C1.33
TEST CELL, TURBINE, NO. 4 A/N: 475882 Permit to Construct Issued: 11/25/08	D125	C133	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 413 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; NOX: 67.8 LBS/1000 GAL FUEL OIL (1A) [RULE 2012,5-6-2005]  PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] ; SOX: 500 PPMV (5) [RULE 407,4-2-1982]	C1.8, C1.9, C1.10, C1.11, C1.13, C1.15, C1.30, C1.33
TEST CELL, TURBINE, NO. 5 A/N: 475895 Permit to Construct Issued: 11/25/08	D126	C134	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 413 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; NOX: 67.8 LBS/1000 GAL FUEL OIL (1A) [RULE 2012,5-6-2005]	C1.8, C1.9, C1.10, C1.11, C1.13, C1.15, C1.19, C1.20, C1.30, C1.33

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5)(5A)(5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2)(2A)(2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
(10) See Section J for NESHAP/MACT requirements  
\*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 16 : TEST CELL</b>					
				<b>PM:</b> 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] ; <b>SOX:</b> 500 PPMV (5) [RULE 407,4-2-1982]	
TEST CELL, TURBINE, NO. 6 A/N: 475896 Permit to Construct Issued: 11/25/08	D127	C135	NOX: PROCESS UNIT**	<b>CO:</b> 2000 PPMV (5) [RULE 407,4-2-1982] ; <b>NOX:</b> 413 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; <b>NOX:</b> 67.8 LBS/1000 GAL FUEL OIL (1A) [RULE 2012,5-6-2005]  <b>PM:</b> 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] ; <b>SOX:</b> 500 PPMV (5) [RULE 407,4-2-1982]	C1.8, C1.9, C1.10, C1.11, C1.13, C1.15, C1.30, C1.33
TEST CELL, TURBINE, NO. 7 A/N: 475898 Permit to Construct Issued: 11/25/08	D128	C136	NOX: PROCESS UNIT**	<b>CO:</b> 2000 PPMV (5) [RULE 407,4-2-1982] ; <b>NOX:</b> 413 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; <b>NOX:</b> 67.8 LBS/1000 GAL FUEL OIL (1A) [RULE 2012,5-6-2005]  <b>PM:</b> 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] ; <b>SOX:</b> 500 PPMV (5) [RULE 407,4-2-1982]	C1.8, C1.9, C1.10, C1.11, C1.13, C1.15, C1.22, C1.23, C1.30, C1.33

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5)(5A)(5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2)(2A)(2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
(10) See Section J for NESHAP/MACT requirements  
\*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 19 : MISCELLANEOUS EQUIPMENT</b>					
PLASMA ARC CUTTER, HYPER THERM, MODEL NO. MAX 200, SERIAL NO. 200-197, WITH DOWNDRAFT TORCH CUTTING TABLE AND EXHAUST, 30 KWH A/N: 475881 Permit to Construct Issued: 11/25/08	D199	C200		PM: (9) [RULE 404,2-7- 1986;RULE 405,2-7-1986]	A433.1, C1.32, D323.2, E71.6
PLASMA ARC CUTTER, 10.4 KVA, MODEL NO. POWERMAX 800, ARC CUTTING TORCH, PORTABLE A/N: 475879 Permit to Construct Issued: 11/25/08	D213			PM: (9) [RULE 404,2-7- 1986;RULE 405,2-7-1986]	A433.3, C1.31, C1.34, C1.35, D323.3, E71.6

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5)(5A)(5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2)(2A)(2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
(10) See Section J for NESHAP/MACT requirements  
\*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

### **SECTION H: DEVICE ID INDEX**

**The following sub-section provides an index  
to the devices that make up the facility  
description sorted by device ID.**

# **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

## **SECTION H: DEVICE ID INDEX**

<b>Device Index For Section H</b>			
<b>Device ID</b>	<b>Section H Page No.</b>	<b>Process</b>	<b>System</b>
D124	3	16	0
D125	3	16	0
D126	3	16	0
D127	4	16	0
D128	4	16	0
C155	1	7	3
D199	5	19	0
D213	5	19	0
D214	1	1	3
D215	1	1	4
D216	1	1	4
D217	2	14	0

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

#### FACILITY CONDITIONS

F2.1 The operator shall limit emissions from this facility as follows:

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than or equal to 833 LBS IN ANY ONE MONTH

To ensure compliance with the monthly Volatile Organic Compound(VOC) emission limit(s) of this condition, the operator shall comply with the following recordkeeping requirements:

- (1) The operator shall comply with Rule 109 (Recordkeeping for Volatile Organic Compound Emissions).
- (2) Within 14 calendar days after the end of each month, the operator shall total and record VOC emissions for the month from all equipment and operations covered by the monthly emission limit(s). The record shall include any procedures used to account for control device efficiencies and/or waste disposal. It shall be signed and certified for accuracy by the highest ranking individual responsible for compliance with District rules.
- (3) The operator shall maintain a single list which includes only the name and address of each person from whom the facility acquired VOC-containing material regulated by the District that was used or stored at the facility during the preceding 12 months.
- (4) The operator shall retain all purchase invoices for all VOC-containing material used or stored at the facility, and all waste manifests for all waste VOC-containing material removed from the facility, for five years.

For the purpose of this condition, the VOC emission limit shall be the total VOC emissions from all equipment and operations at this facility subject to Rule 442.

**[RULE 442, 12-15-2000]**



## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

The operator shall comply with the terms and conditions set forth below:

F9.1 Except for open abrasive blasting operations, the operator shall not discharge into the atmosphere from any single source of emissions whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:

(a) As dark or darker in shade as that designated No.1 on the Ringelmann Chart, as published by the United States Bureau of Mines; or

(b) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subparagraph (a) of this condition.

[**RULE 401, 3-2-1984**; RULE 401, 11-9-2001]

F14.1 The operator shall not use liquid fuel containing sulfur compounds in excess of 500 ppm by weight.

[**RULE 431.2, 5-4-1990**; RULE 431.2, 9-15-2000]

F14.2 The operator shall not purchase diesel fuel containing sulfur compounds in excess of 15 ppm by weight as supplied by the supplier.

[RULE 431.2, 9-15-2000]

### **DEVICE CONDITIONS**

#### **A. Emission Limits**

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

A433.1 The operator shall not cut with this equipment any metal containing any toxic air contaminants (TAC) identified in SCAQMD Rule 1401, Table I, with an effective date of March 4, 2005 except as identified below:

Pollutant	CAS No.	Maximum Wt%
Chromium	18540-29-9	30
Copper	7440-50-8	4
Lead	7439-92-1	0.35
Manganese	7439-96-5	2.5
Nickel	7440-02-0	79.5

Material Safety Data Sheets (MSDS) shall be used to comply with this condition

[RULE 1401, 3-4-2005]

[Devices subject to this condition : D199]

A433.2 The operator shall not use in this equipment any toxic air contaminants (TAC) identified in SCAQMD Rule 1401, Table I, with an effective date of March 4, 2005 except as identified below up to the following content limit:

Pollutant	Tank No.	Maximum Content Vol%
Nitric Acid	2	6

[RULE 1401, 3-4-2005]

[Devices subject to this condition : D214]

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

A433.3 The operator shall not cut with this equipment any metal containing any toxic air contaminants (TAC) identified in SCAQMD Rule 1401, Table I, with an effective date of March 4, 2005 except as identified below:

Pollutant	CAS No.	Maximum Wt%
Chromium	18540-29-9	23
Copper	7440-50-8	4
Lead	7439-92-1	0.35
Manganese	7439-96-5	2
Nickel	7440-02-0	13.5

Material Safety Data Sheets (MSDS) shall be used to comply with this condition

[RULE 1401, 3-4-2005]

[Devices subject to this condition : D213]

### **B. Material/Fuel Type Limits**

B59.5 The operator shall only use the following material(s) in this device :

Nitric acid , 45.6 percent maximum by weight in water

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D215]

B59.6 The operator shall only use the following material(s) in this device :

phosphoric acid, 56 percent maximum by weight in water

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D216]

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

The operator shall comply with the terms and conditions set forth below:

B59.7 The operator shall not use the following material(s) in this device :

Materials containing toxic air contaminants identified in Rule 1401, Table 1 with an effective date of March 7, 2008 or earlier, except nitric acid.

[RULE 1401, 3-7-2008]

[Devices subject to this condition : D215]

B59.8 The operator shall not use the following material(s) in this device :

Materials containing toxic air contaminants identified in Rule 1401, Table 1 with an effective date of March 7, 2008 or earlier, except phosphoric acid.

[RULE 1401, 3-7-2008]

[Devices subject to this condition : D216]

### **C. Throughput or Operating Parameter Limits**

C1.8 The operator shall limit the operating time to no more than 4 hours in any one calendar year.

For the purpose of this condition, operating time shall be defined as the combined firing time for ammonium nitrate & ammonium perchlorate.

[**RULE 1303(b)(2)-Offset, 5-10-1996**; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D124, D125, D126, D127, D128]

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

The operator shall comply with the terms and conditions set forth below:

- C1.9 The operator shall limit the material processed to no more than 1600 pounds in any one calendar year.

For the purpose of this condition, material processed shall be defined as ammonium nitrate.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D124, D125, D126, D127, D128]

- C1.10 The operator shall limit the material processed to no more than 1600 pounds in any one calendar year.

For the purpose of this condition, material processed shall be defined as ammonium perchlorate.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D124, D125, D126, D127, D128]

- C1.11 The operator shall limit the operating time to no more than 20 hours in any one calendar year.

For the purpose of this condition, operating time shall be defined as maximum operating time of this test cell on hydrazine fuel.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D124, D125, D126, D127, D128]

- C1.13 The operator shall limit the fuel usage to no more than 84 gallon(s) per day.

For the purpose of this condition, fuel usage shall be defined as the maximum quantity of hydrazine fuel used in this test cell.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D124, D125, D126, D127, D128]

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

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The operator shall comply with the terms and conditions set forth below:

C1.15 The operator shall limit the fuel usage to no more than 21 gallon(s) per day.

For the purpose of this condition, fuel usage shall be defined as JP-4, JP-5 AND JP-8 combined.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D124, D125, D126, D127, D128]

C1.19 The operator shall limit the material processed to no more than 300 gallons in any one calendar year.

For the purpose of this condition, material processed shall be defined as hydrogen peroxide.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D126]

C1.20 The operator shall limit the operating time to no more than 4 hours in any one calendar year.

For the purpose of this condition, operating time shall be defined as firing time with hydrogen peroxide.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D126]

C1.22 The operator shall limit the material processed to no more than 5 gallons in any one calendar year.

For the purpose of this condition, material processed shall be defined as dimethyl-2-azidoethylamine.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 8-13-1999]**

[Devices subject to this condition : D128]

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

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The operator shall comply with the terms and conditions set forth below:

C1.23 The operator shall limit the operating time to no more than 10 hours in any one calendar year.

For the purpose of this condition, operating time shall be defined as total testing time with dimethyl-2-azidoethylamine.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 8-13-1999]**

[Devices subject to this condition : D128]

C1.30 The operator shall limit the fuel usage to no more than 2000 cubic feet in any one day.

For the purpose of this condition fuel usage shall be defined as the burning of natural gas, methane, or ethane in this equipment.

To comply with this condition, the operator shall install and maintain a(n) non-resettable totalizing fuel meter to accurately indicate the fuel usage being supplied to the test cell.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

The operator shall not burn natural gas/methane/ethane on the same day as any of JP4, JP5, and JP8.

**[RULE 1303(b)(1)-Modeling, 5-10-1996; RULE 1303(b)(1)-Modeling, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D124, D125, D126, D127, D128]

C1.31 The operator shall limit the operating time to no more than 4 hour(s) in any one day.

To comply with this condition, the operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the plasma arc cutter.

The operator shall maintain daily records of total hours of operation for this equipment.

[RULE 1401, 3-4-2005]

[Devices subject to this condition : D213]

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

The operator shall comply with the terms and conditions set forth below:

C1.32 The operator shall limit the operating time to no more than 2366 hours in any one calendar year.

To comply with this condition, the operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the plasma arc cutter.

The operator shall maintain calendar monthly records of total hours of operation for this equipment.

[RULE 1401, 3-4-2005]

[Devices subject to this condition : D199]

C1.33 The operator shall limit the fuel usage to no more than 3360 gallons in any one calendar year.

For the purpose of this condition, fuel usage shall be defined as the maximum quantity of hydrazine fuel used in this test cell.

[**RULE 1303(b)(2)-Offset, 5-10-1996**; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D124, D125, D126, D127, D128]

C1.34 The operator shall limit the operating time to no more than 63 hours in any one calendar month.

To comply with this condition, the operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the plasma arc cutter.

The operator shall maintain calendar monthly records of total hours of operation for this equipment.

[RULE 1401, 3-4-2005]

[Devices subject to this condition : D213]



## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

The operator shall comply with the terms and conditions set forth below:

- C1.35 The operator shall limit the operating time to no more than 134 hours in any one calendar year.

To comply with this condition, the operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the plasma arc cutter.

The operator shall maintain records of total hours of operation for this equipment per calendar year.

[RULE 1401, 3-4-2005]

[Devices subject to this condition : D213]

- C1.36 The operator shall limit the natural gas fuel usage to no more than 1,182,857 cubic feet in any one calendar month.

[**RULE 1303(b)(2)-Offset, 5-10-1996**; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D217]

- C6.7 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 160 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature of the liquid in the tank.

[**RULE 2005, 5-6-2005**]

[Devices subject to this condition : D214]

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

The operator shall comply with the terms and conditions set forth below:

- C8.3 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 150 gpm.

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the flow rate of the scrubbing solution supplied to the spray nozzles.

The operator shall maintain this flow rate when the equipment (tanks) vented to this scrubber are not covered and/or in operation.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : C155]

- C8.4 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 0.5 gpm.

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the flow rate of the blowdown from the scrubber.

The operator shall maintain this flow rate when the equipment (tanks) vented to this scrubber are not covered and/or in operation..

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : C155]

- C8.5 The operator shall use this equipment in such a manner that the pH being monitored, as indicated below, is not less than 7.5 of the pH scale.

To comply with this condition, the operator shall install and maintain a(n) pH meter to accurately indicate the pH of the scrubbing solution.

The operator shall maintain this pH value, when the equipment (tanks) vented to this scrubber are not covered and/or are in operation..

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : C155]

### **D. Monitoring/Testing Requirements**

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

The operator shall comply with the terms and conditions set forth below:

- D12.8 The operator shall install and maintain a(n) non-resettable totalizing fuel flow meter to accurately indicate the fuel usage of the boiler.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D217]

## FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

D29.1 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
NOX emissions	Approved District method	District-approved averaging time	Outlet
CO emissions	Approved District method	District-approved averaging time	Outlet

The test shall be conducted to determine compliance with Rule 1146 and the current BACT requirements. It shall be conducted within 120 days after achieving the maximum operation but not later than 180 days from the initial start-up.

A source test protocol shall be submitted to the District engineer Shailesh Patel no later than 60 days after the initial start-up of this equipment unless otherwise approved in writing by the District. The test protocol shall be approved in writing by the District before the test commences.

The source test protocol shall include the completed District forms ST-1 and ST-2 specifying the proposed operating conditions of the equipment during the test, the identity of the testing laboratory, a statement from the testing laboratory certifying it meets the criteria in District Rule 304(K), and a description of the sampling and analytical procedures to be used.

A written notice of the source tests shall be submitted to the District Engineer Shailesh Patel at least 14 days prior to source testing date so that an observer from the District may be present.

A testing laboratory certified by the California Air Resources Board in the required test methods for criteria pollutants to be measured, and in compliance with District Rule 304 (no conflict of interest) shall conduct the test.

Sampling facilities shall comply with the District guidelines for construction of sampling and testing facilities, pursuant to Rule 217.

Two complete copies of the source test reports shall be submitted to the Shailesh Patel within 45 days after the source testing date. The source test report shall include, but not be limited to all testing data required by this condition.

Emission data shall be expressed in terms of concentration (ppmv), corrected to 3 percent oxygen for NOx and CO, dry basis.

**[RULE 1146, 11-17-2000; RULE 1146, 9-5-2008; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : D217]

D323.2 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D199]

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

The operator shall comply with the terms and conditions set forth below:

D323.3 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a monthly basis, at least, unless the equipment did not operate during the entire monthly period. The routine monthly inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

#### **[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D213]

D332.1 The operator shall determine compliance with the CO emission limit(s) by conducting a test at least once every five years using a portable analyzer and AQMD-approved test method or, if not available, a non-AQMD approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with Rule 1146 concentration limit. The operator shall comply with all general testing, reporting, and recordkeeping requirements in Sections E and K of this permit.

#### **[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D217]

## **FACILITY PERMIT TO OPERATE HONEYWELL INTERNATIONAL INC**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

The operator shall comply with the terms and conditions set forth below:

#### **E. Equipment Operation/Construction Requirements**

E71.6 The operator shall not cut any metal in this equipment unless it is 1 inch thick or less.

[RULE 1401, 3-4-2005]

[Devices subject to this condition : D199, D213]

#### **K. Record Keeping/Reporting**

K67.7 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Recirculating liquid flow rate on a daily basis

pH of the scrubbing solution on a daily basis

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C155]